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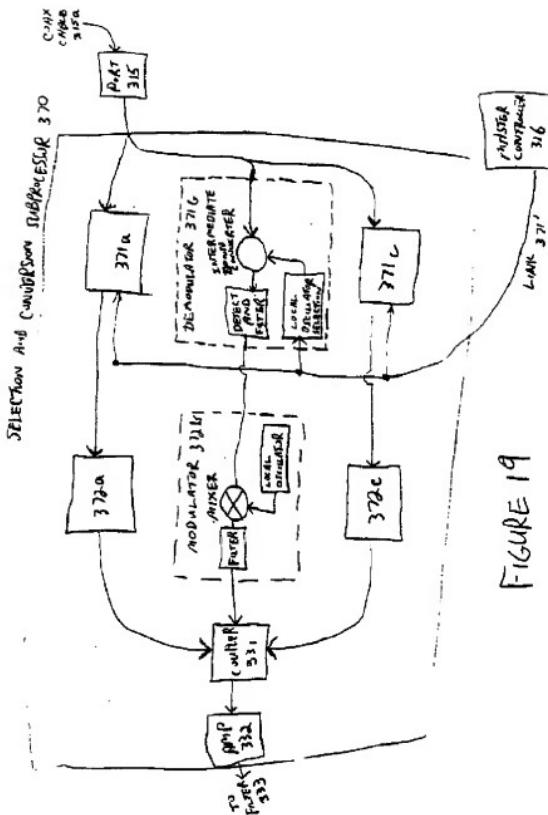
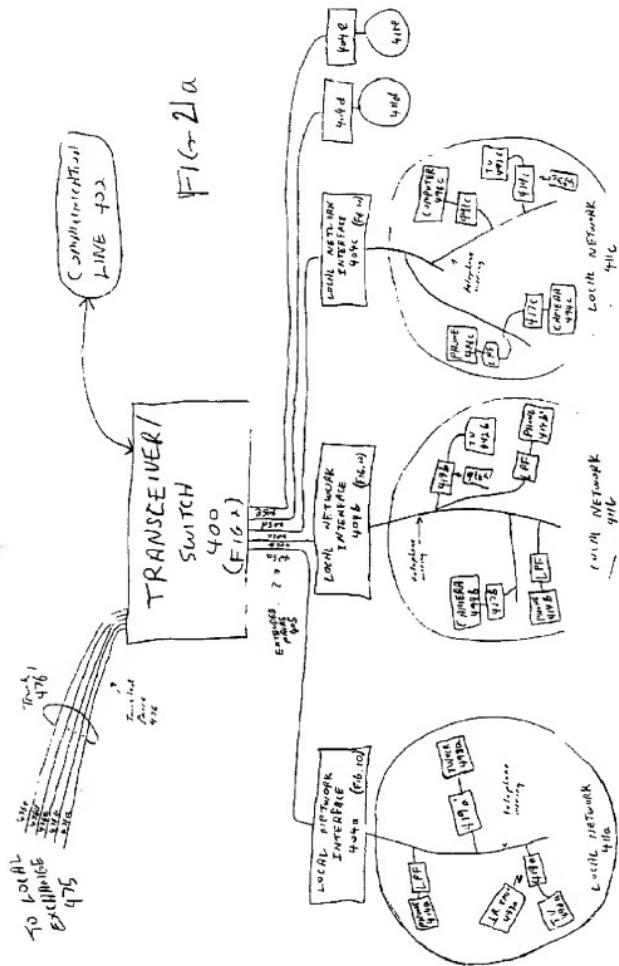
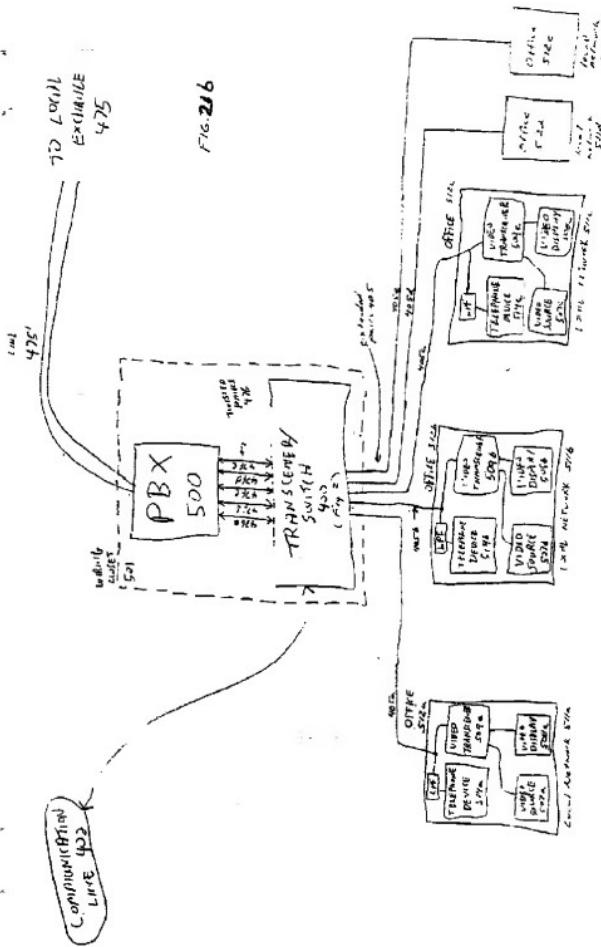


FIGURE 19

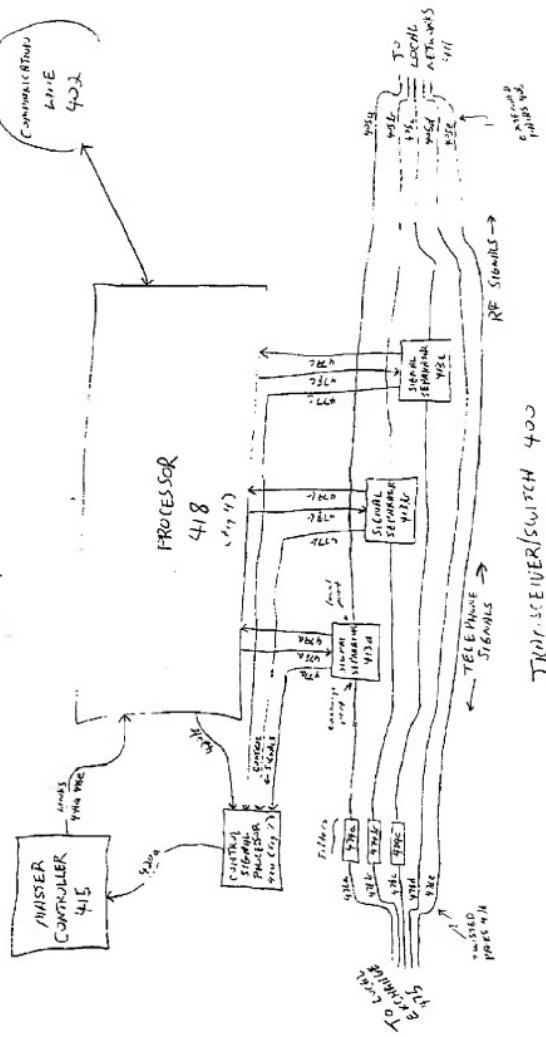


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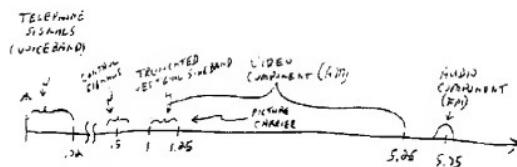
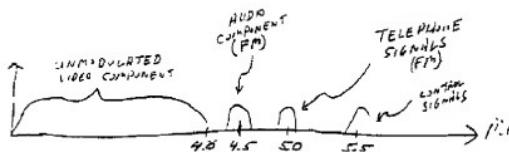
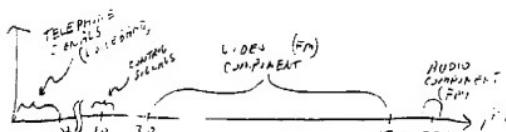


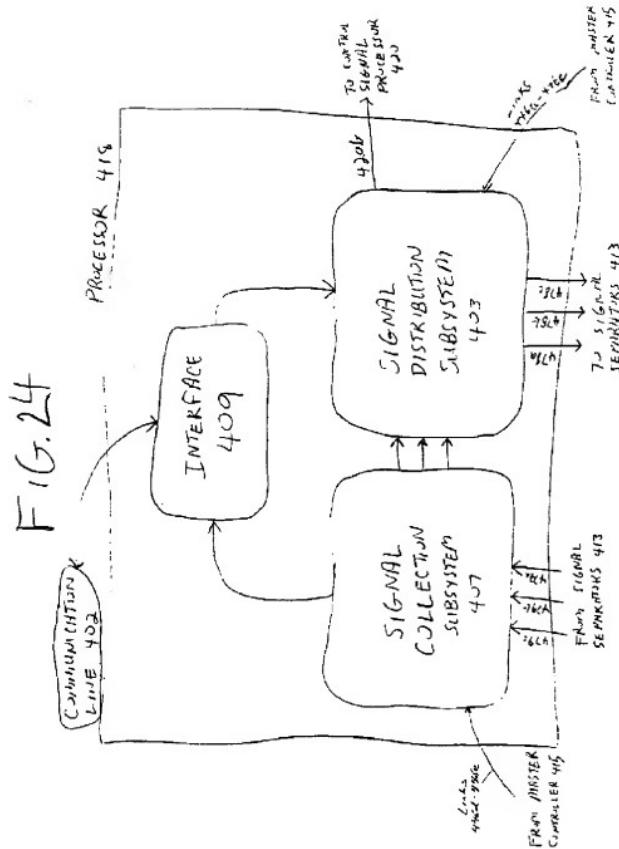
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FIG. 22



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FIG.  
23aSPECTRUM OF AN AMPLITUDE  
MODULATED NTSC SIGNAL  
NEAR VOICEBANDFIG.  
23bSPECTRUM OF AN NTSC SIGNAL  
TRANSMITTING AT BASEBANDFIG.  
23cSPECTRUM OF AN FM NTSC  
SIGNAL NEAR VOICEBAND



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Fig 24a

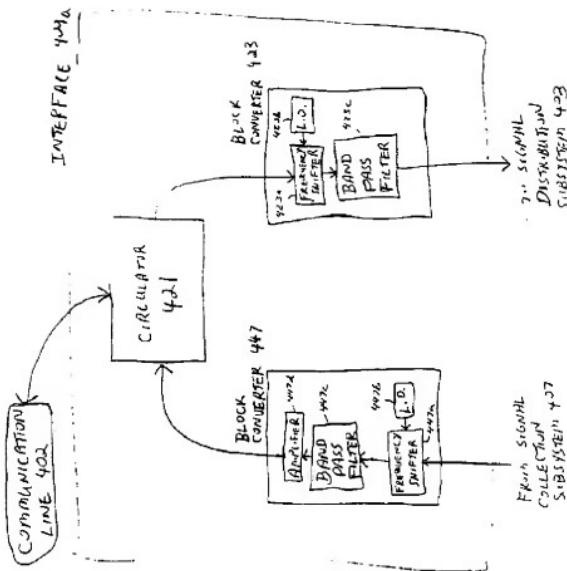
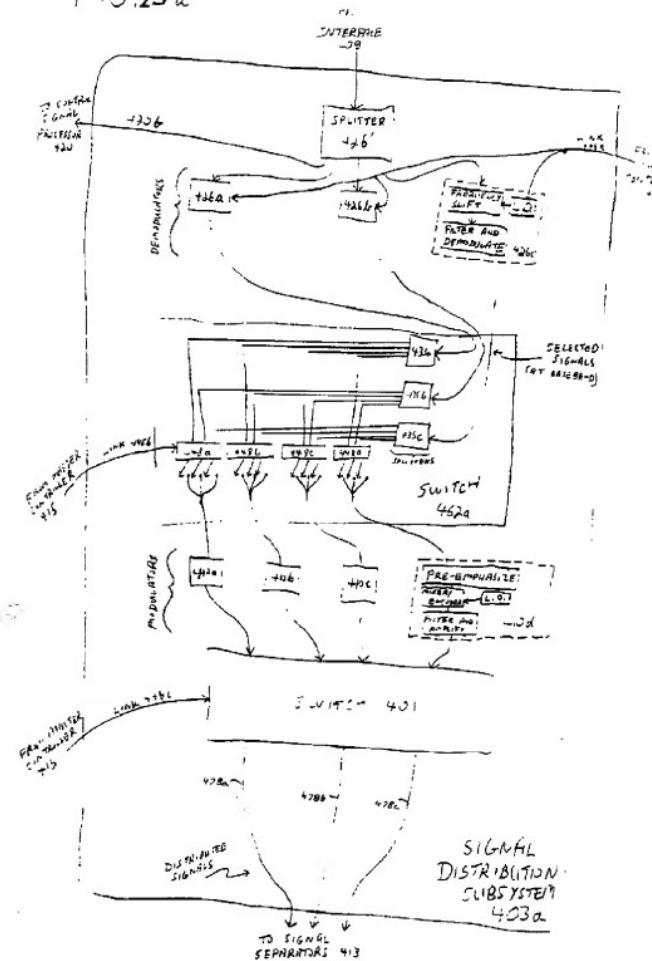
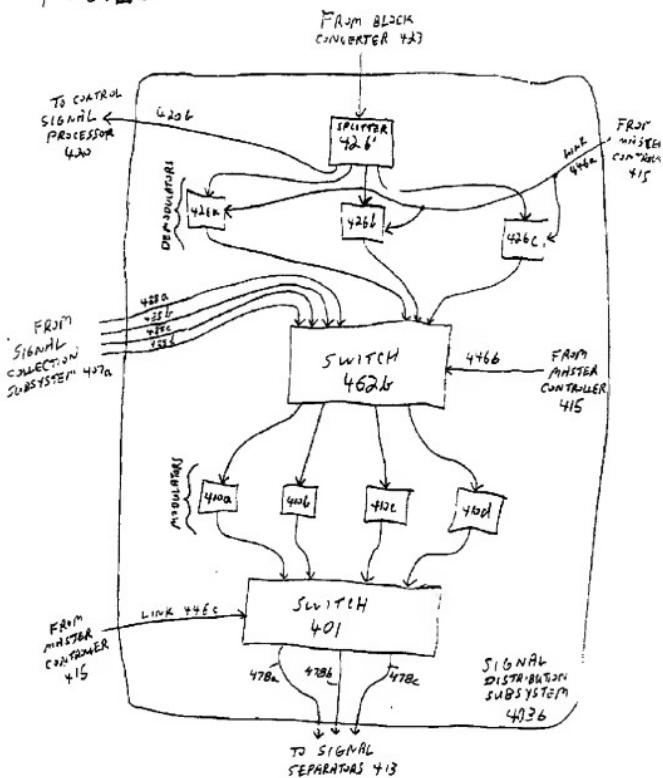


FIG. 25a



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FIG. 25b



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FIG. 25C

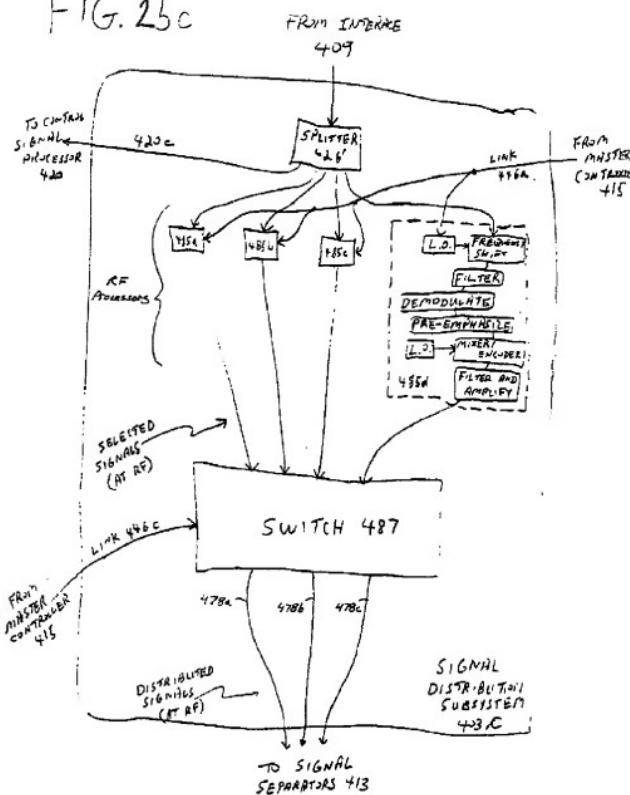


FIG. 26a

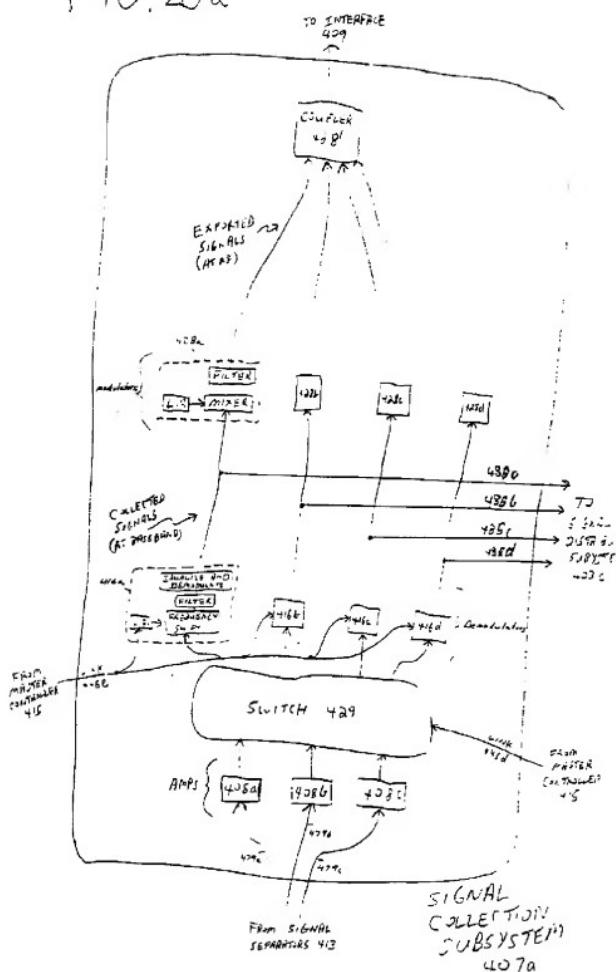
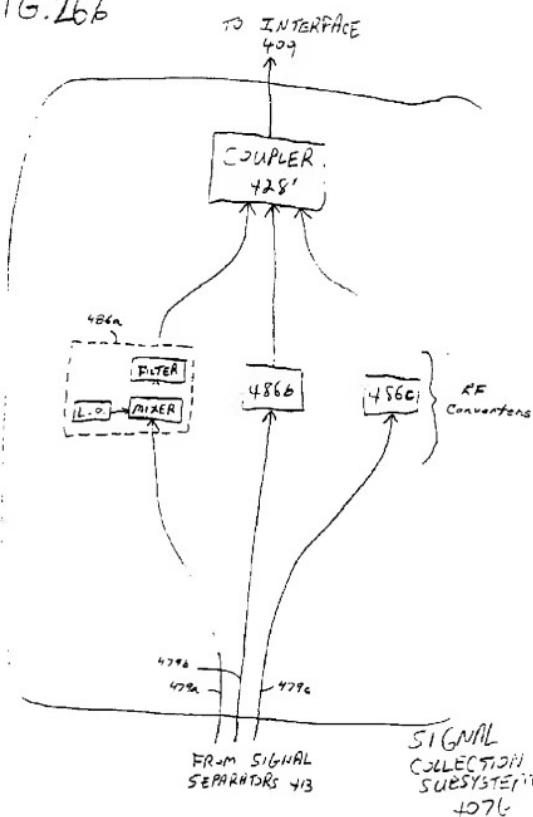


FIG. 266



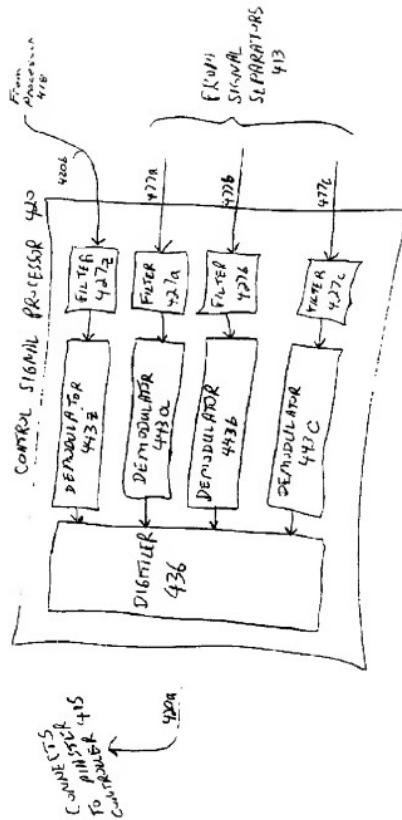
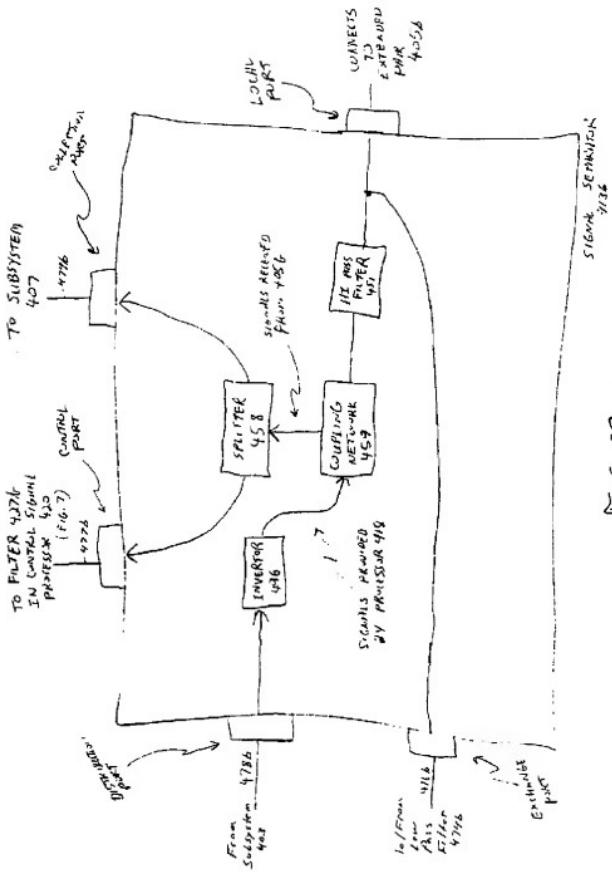


FIGURE 27

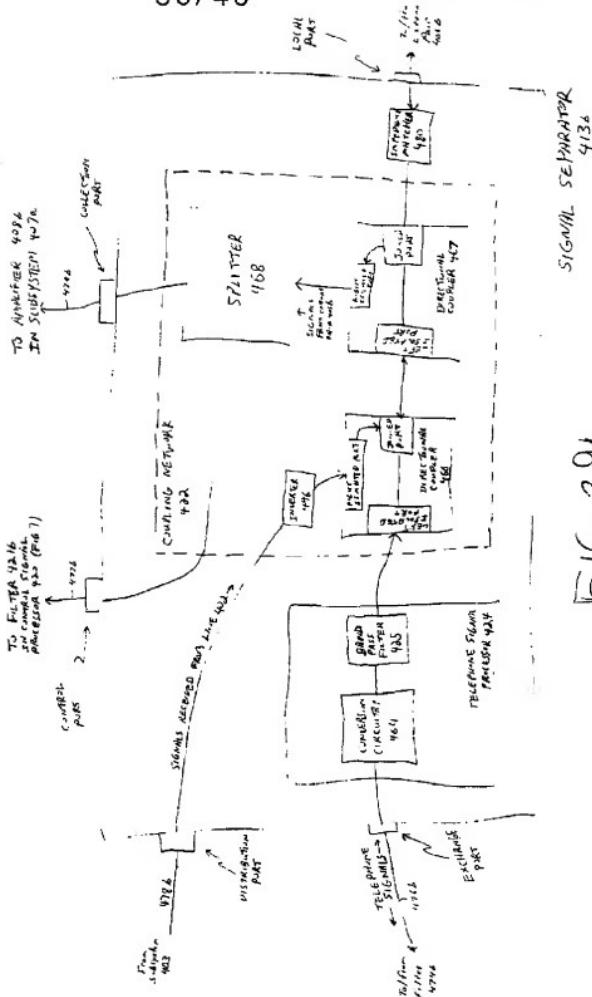
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		FREQUENCY DURING TRANSMISSION OVER EXTENDED BANDS (MHz)				FREQUENCY DURING TRANSMISSION OVER LOCAL NE TWINKS (MHz)	
ORIGIN/DEST		405a	405b	405c	41a	41b	41c
COMPLEX A	493a / 415	22.75-23.25 <sup>r</sup>			22.75-23.25 <sup>r</sup>		
	B      493b / 415		22.75-23.25 <sup>r</sup>			22.75-23.25 <sup>r</sup>	
	C      493c / 415			22.75-23.25 <sup>r</sup>		22.75-23.25 <sup>r</sup>	
UNDEF							
U	402 / 493a	1-6 (fm)			12-18 (fm)		
V	402 / 493b / 493c	7-22 (fm)	1-6 (fm)	1-6 (fm)	24-30 (fm)	54-60 (fm)	12-18 (fm)
W	494b / 402		24-59 (fm)			6-12 (fm)	
X	491c / 402			20-54 (fm)			6-12 (fm)
DIGITAL Y							
Z	402 / 495c			6-18			18-42
	495c / 402			54-102			1-6

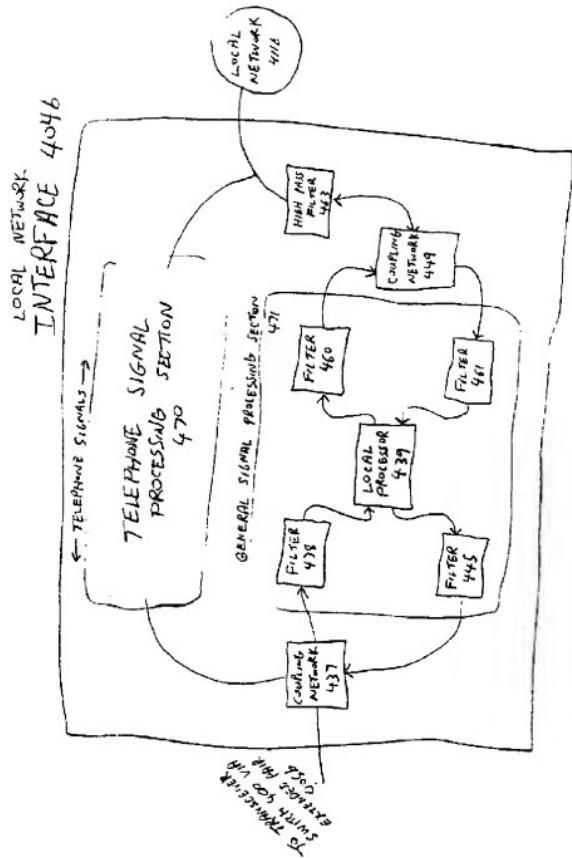
= 1 → 98



"BC 691"



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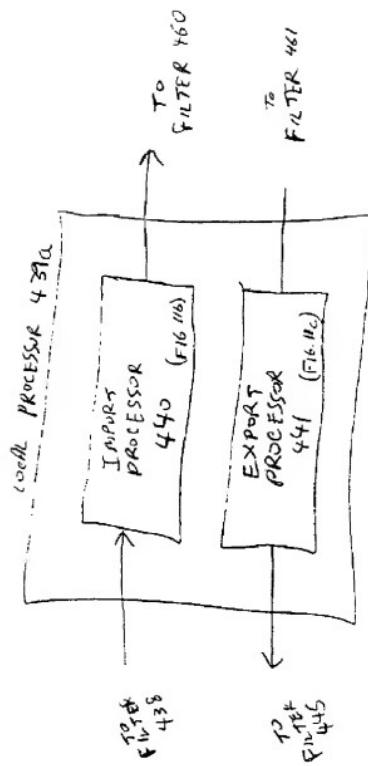
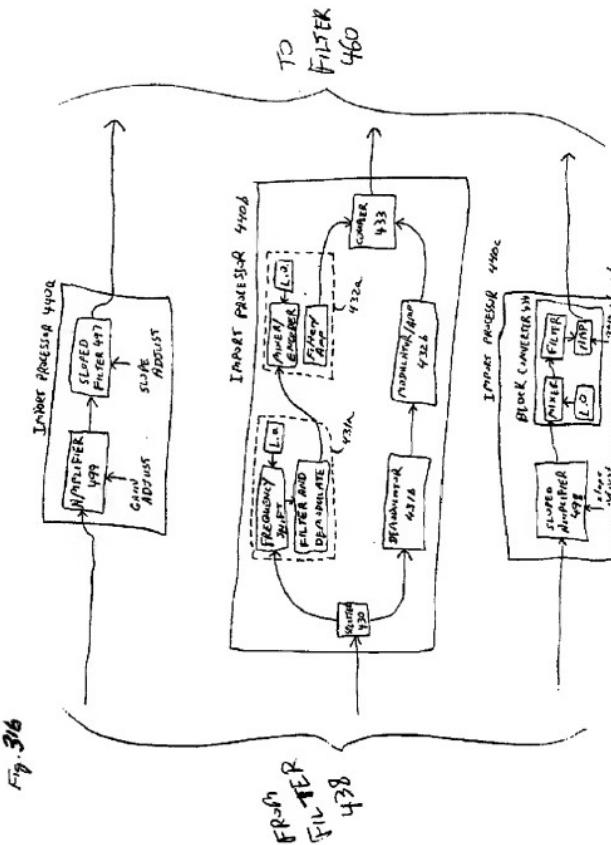
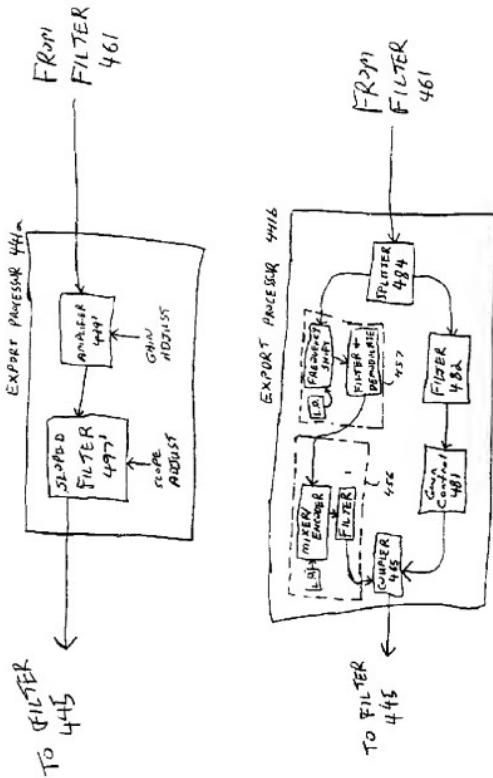


FIG. 31a





L1, L2

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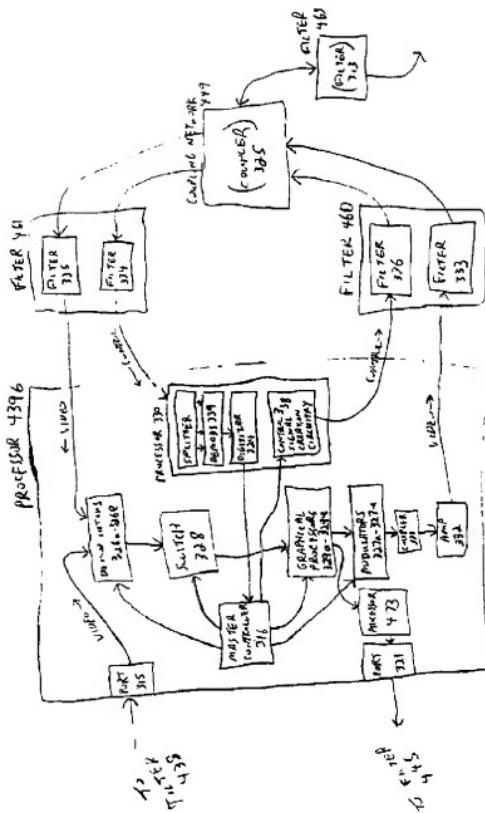
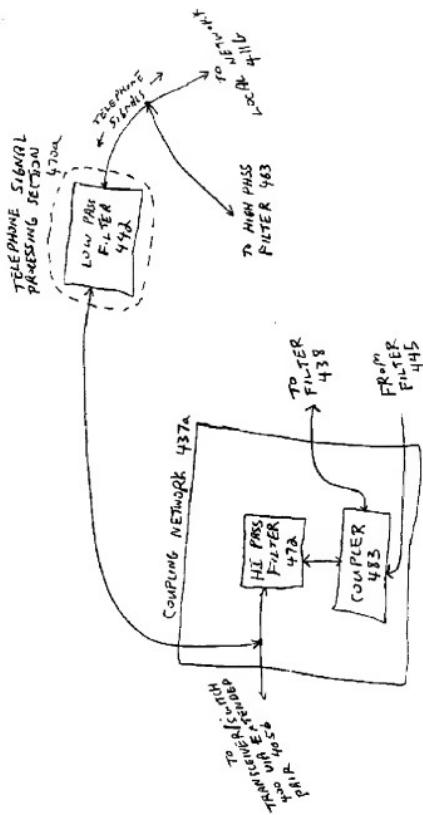
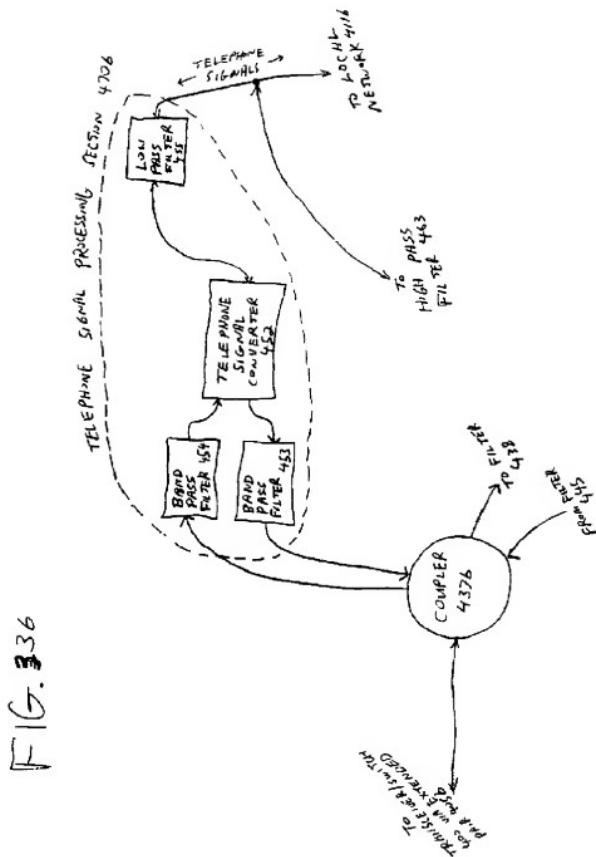


Fig. 32

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16. 33a



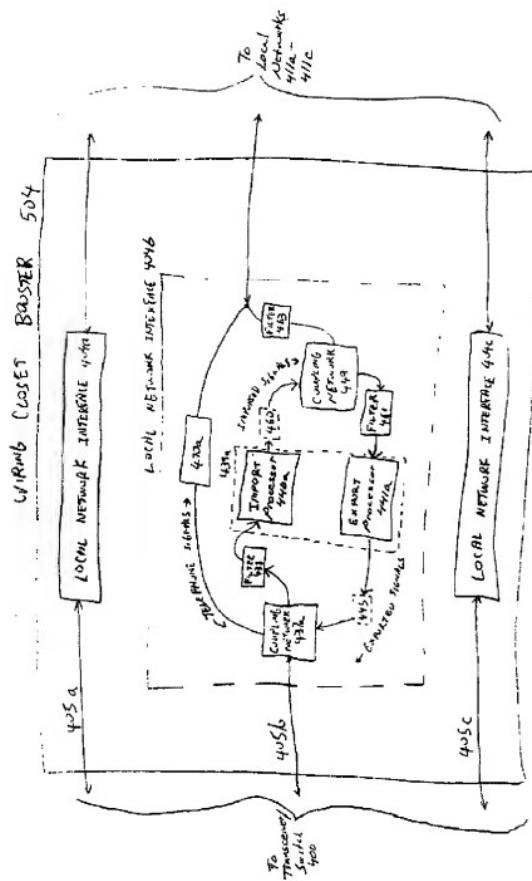


Fig. 34

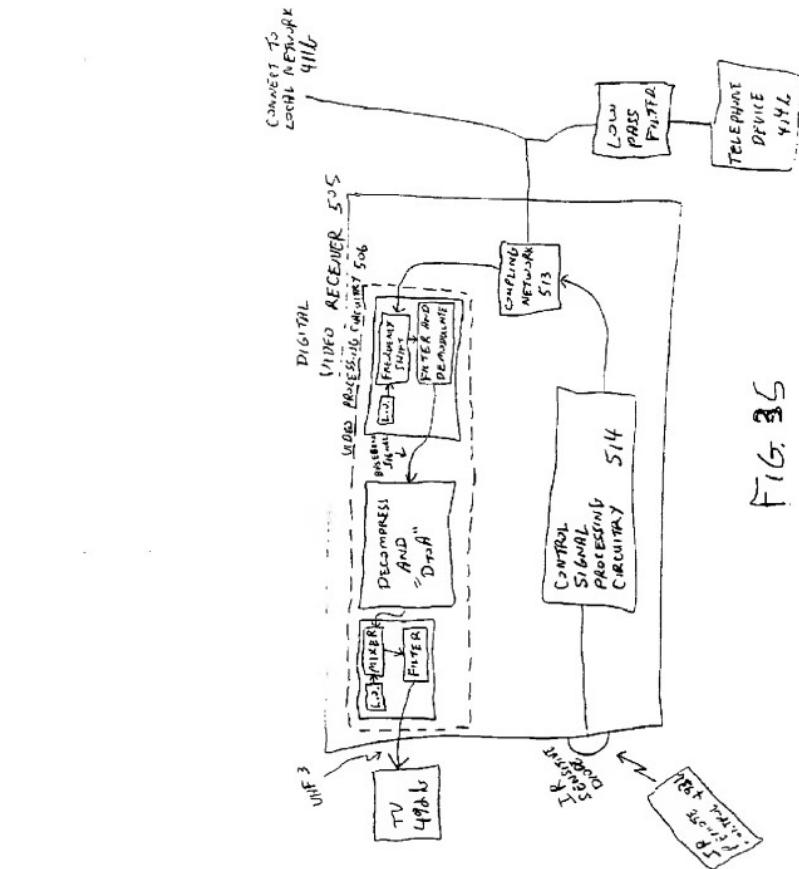
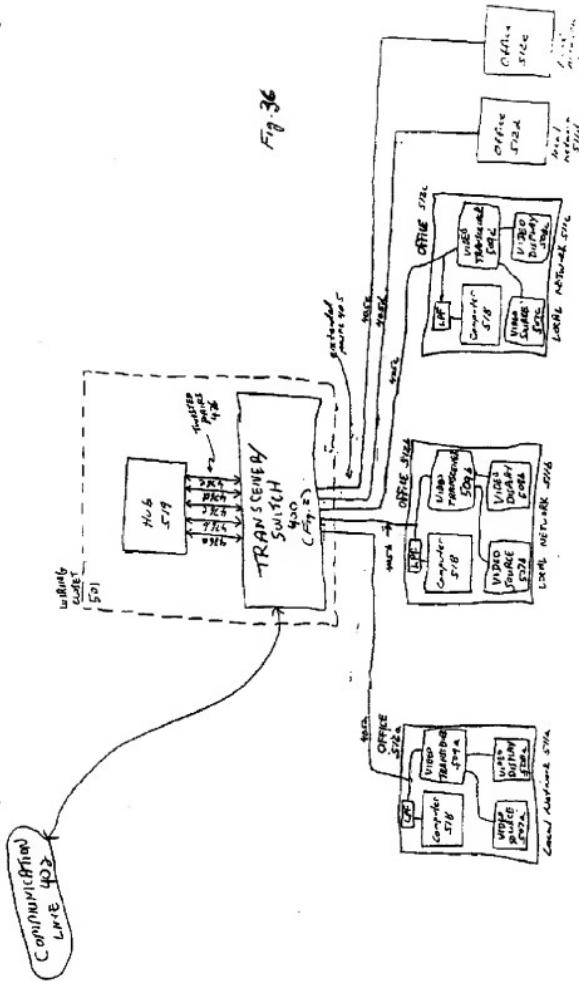


Fig. 35

Fig. 36



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US92/10330

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(5) HO4N 7/14

U.S. Class 358/85

Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 379/53,54,64,65,90,101,102,104,105,110,93,96-998; 358/86,194.1; 359/142,145-148; 381/2,3,29,31.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US,A, 3,723,653 (TATSUZAWA) 27 MARCH 1973 See abstract, all figures	1, 2, 4, 6, 8-14, 41-50, 54-65, 67, <u>68, 71-73, 77-80</u> 51-53, 66, 69, 70, 74-76
X Y	EP,A, 0,244,260 (IWAMURA ET AL) 04 NOVEMBER 1987 See abstract	1, 2, 4, 6, 8-14, 41-50, 54-65, 67, <u>68, 71-73, 77-80</u> 51-53, 66, 69, 70, 74-76

<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
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- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be part of particular relevance
- "B" earlier document published on or after the international filing date
- "L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search	Date of mailing of the international search report
24 FEBRUARY 1993	28 APR 1993

Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer <i>Wing F. Chan</i>
Faximile No. NOT APPLICABLE	Telephone No. (703) 305-4732

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US92/10330

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US,A, 4,849,811 (KLEINERMAN)	1,2,4,6,8-14,
Y	18 JULY 1989 See abstract, all figures	41-50, 54-65, 67, 68, 71- <u>73,77-80</u> 51-53, 66, 69, 70, 74-76
Y	WO,A, W088/05974 (GRANDMO U GIN) 11 AUGUST 1988 See abstract	1-29, 41-80
X	JP,A, 1-27358 (SUZUKI)	<u>1-16,22-24</u>
Y	30 JANUARY 1989 See abstract	17-21